

APPENDIX I: INVASIVE MONITORING INSTRUCTIONS

There is an internal closed-loop monitoring circuit for mA that compares the actual mA with the set mA. If there is a difference, the system adjusts itself. However, the capability exists to read mA invasively. Procedures to follow are:

1. Remove front and left side panels
2. Remove cable SHA4-X1 from board SHA4
3. Install "test cable" in series with serial plug MAMEAS and cable SHA4-X1
4. Insert banana plugs into DC volt meter
5. Make x-ray and capture reading volts DC
6. $VDC = 3 \text{ times mA actual (i.e., } 4.5VDC = 1.5mA)$

